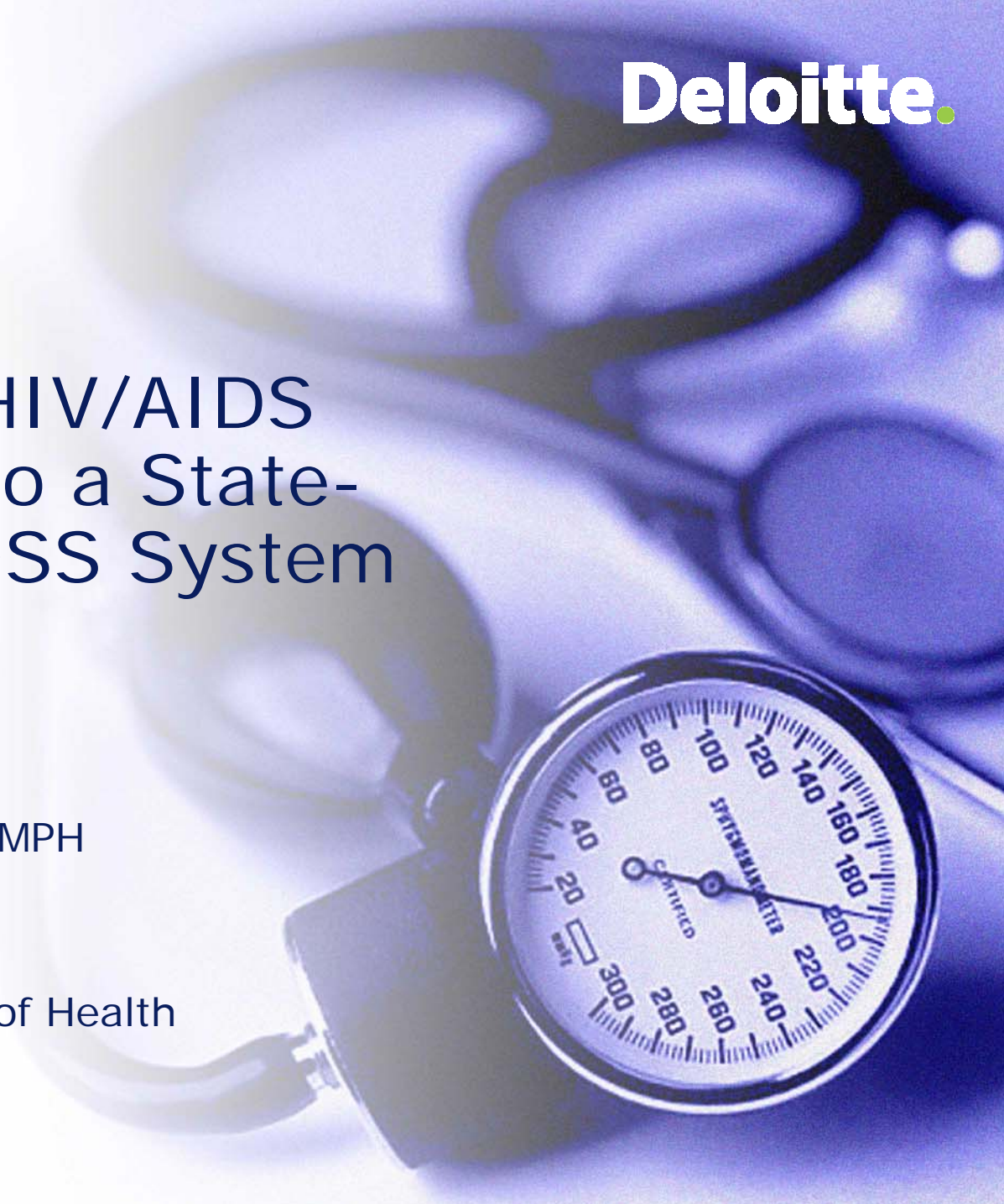


Integration of HIV/AIDS Surveillance into a State- Developed NEDSS System

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PA-NEDSS Today

- PA-NEDSS celebrates three years
- Continually evolving functionality
 - Patient deduplication
 - SAS Enterprise Guide
 - Electronic Laboratory Reporting
- Spans five program areas
 - Infectious Disease Epidemiology
 - Vaccine Preventable Diseases
 - Sexually Transmitted Diseases
 - Tuberculosis
 - Adult and Childhood Lead Poisoning


What's Next for PA-NEDSS?

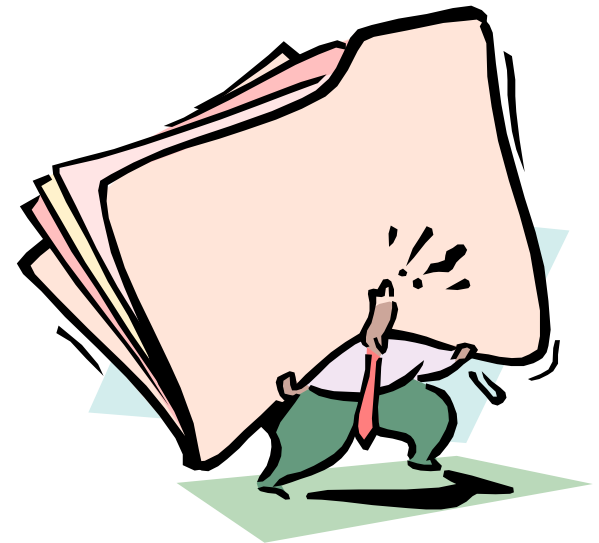
- Welcoming a sixth Program Area with unique and complex needs
- Integrating HIV/AIDS Reporting and Surveillance functionality
- The “sun-setting” of HARS

HIV/AIDS Surveillance in PA

- Revised Reporting Regulations - October 2002
 - Named reporting of HIV effective in 66 of 67 counties
 - Required electronic laboratory reporting of HIV positive results
- Decentralization of surveillance operations

As-Is HIV/AIDS Surveillance System

- Electronic Laboratory Reporting
- Zero  40,000 reports/month
- A variety of formats submitted
 - Epi Info
 - Excel
 - HL7
 - Access database
 - MS Word files
 - Etc, etc, etc.....



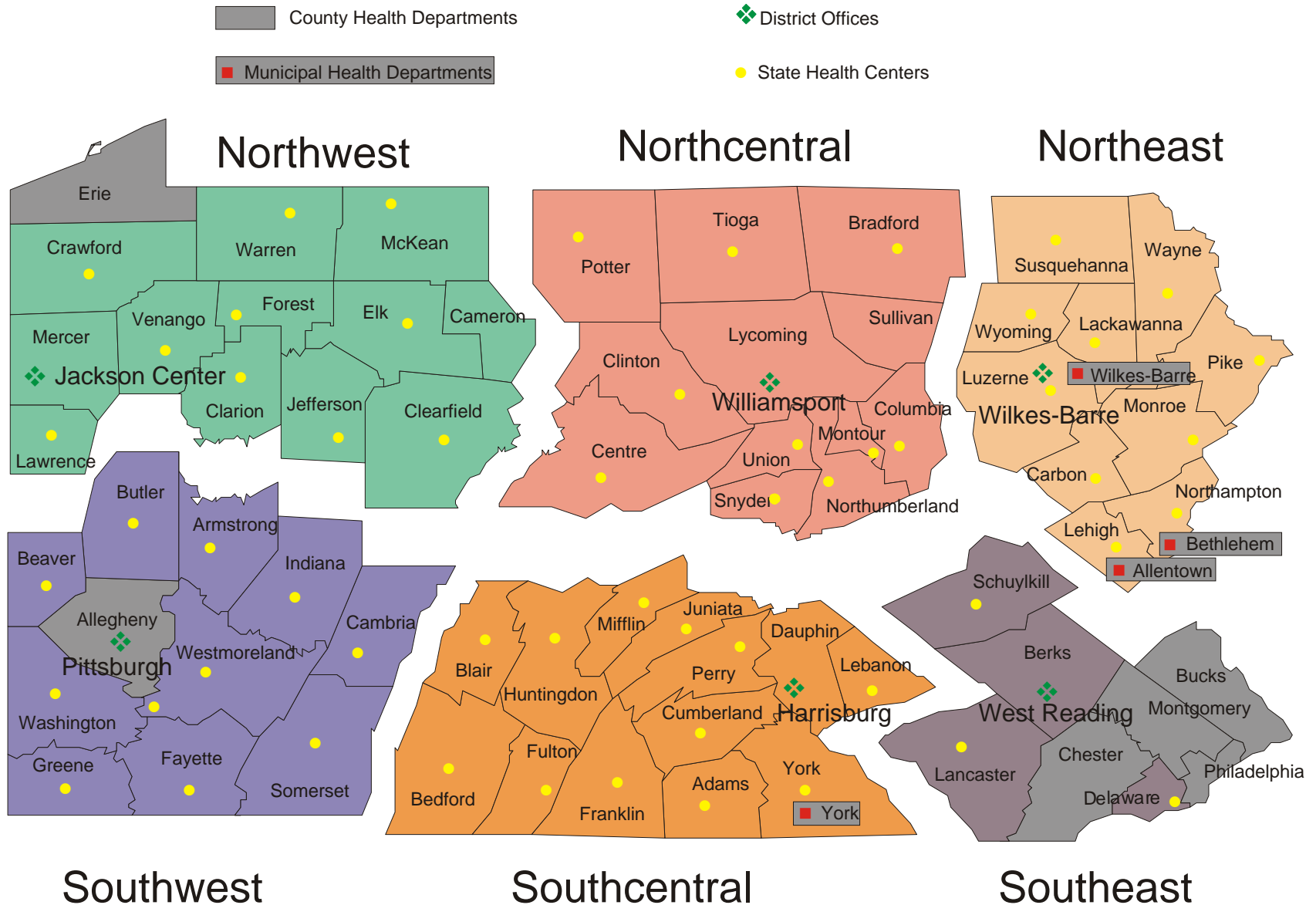
As-Is HIV/AIDS Surveillance System

- HARS (HIV/AIDS Reporting System)
 - CDC provides to all states and territories
 - 20-year old, DOS-based system
 - Case-based data
 - Pennsylvania deployed HARS to 16 satellite databases

As-Is HIV/AIDS Surveillance System

- Staffing
 - Section Leader
 - Data Manager/Epidemiologist
 - Statistician
 - Field Surveillance Coordinator
 - Two Field Surveillance Liaisons
 - Twenty three Field Surveillance staff

PA Department of Health Community Health Districts



Why Move to NEDSS?

- HIV/AIDS surveillance has outgrown HARS
- Standardized electronic reporting for laboratories, hospitals, and providers
- Multi-site data management issues
- Delayed deployment of e- HARS
- User demand for ONE, simple reporting system



How Will NEDSS Help?

- Create a centralized database
- Electronic reporting
 - Standardized formats
 - Improve timeliness of reporting
 - Automate distribution of ELR
- Improve data quality
- Maintain complete historical data records



How Will NEDSS Help?

- Improved de-duplication methods
 - Decrease duplicate case reporting
- Provide ability to monitor investigative workloads
- Leverage existing security architecture
- Increase field level efficiency
 - Eliminate data management issues
 - Increase time for investigative productivity
 - Access to analysis and reporting tools for local data

Other Benefits of the Integration

- Critical review of program policies, procedures and work processes
- Assessment of social/human engineering within the program
- Economic benefits of managing and implementing one reporting system.

Challenges

- Name based reporting versus coded identifier reporting
- Data conversion
 - Calculated fields
 - Revised algorithms
- Political challenges
 - State and local activist groups
- Organizational divide between surveillance and prevention programs



Where are we in the process?

- Requirements gathering completed in March 2005
- Release 7.5 in June 2005 to include HIV/AIDS requirements that will benefit all program areas
- Release 8.0 to include remaining HIV/AIDS requirements

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